AMENDMENTS TO THE SPECIFICATION

Please replace paragraphs 122 and 123 with revised paragraphs 122 and 123 below, in response to the objections in paragraph 2 on page 2 of the Office Action.

The following shows the changes in strikeout and underline to paragraphs 122 and 123:

[0122] The inner electrode assembly 450 of FIG. 26 comprises an electrode with an associated lower dielectric barrier 452, distribution stalk 454, a reactor top plate 456 having an electrical feedthrough 458 for receiving electrical wiring and a reagent gas. An upper film support 462 and a lower film support, on the exterior of the lower dielectric barrier 452, provide the electrode surfaces over which the dielectric film layer is to be disbursed. An outer transfer tube 464 retains the liquid in a column from the liquid inlet 466. The reagent enters the feedthrough 458 in the reactor top plate 456 and is introduced into the top of the outer transfer tube 464 for combination with the process stream within the reactor annulus. The dielectric liquid fills the outer transfer tube 464 up to and including the lower weir 468, and since the liquid is under pressure from the reagent gas it is driven through an inner transfer tube 470 up into the upper weir 472. The distribution stalk 454 initiates the liquid falling film in two places along the length of the inner electrode 450. The dielectric is distributed over the electrodes from outlet 474 at the upper surface of the upper weir 472 to provide a failing fluid film over the upper film support 462, while liquid similarly falls from outlet 476 at the upper surface of the lower weir 468. A solid ring 478 is preferably located at the base of the inner electrode assembly which upon removal cleans the inner surface of the outer electrode assembly.

[0123] The outer electrode assembly 480 of FIG. 27, comprises an outer electrode 482 with associated dielectric barrier 484 and electrical feedthrough 486, an outer insulating tube 488, a top insulating endpiece 490 which initiates the liquid falling film in one place and-introduces and

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introduces the process stream, and a bottom insulating endpiece 494 which exhausts the treated process stream and dielectric liquid while reintroducing the dielectric liquid for distribution to the inner and outer electrode assemblies. The top insulating endpiece 490 provides a port 492 for process stream pressure monitoring. Thus, the back pressures on all process lines are individually and simultaneously monitored. A process gas inlet 496 receives the gas for treatment which is delivered through a process output 498. The liquid for the FFPR is input through the inlet 500 and output after circulation through outlet 502. During treatment the dielectric liquid flows over the electrode from falling outlet 504.